

BOCHAROVA, A. M.

Rubber Abstracts  
April 1954  
Synthetic Rubber  
and Like Products

1570. Transformation of polyvinyl chloride into tridimensional polymer. A. V. DRINDERG and A. M. BOCHAROVA. *Zhur. Priklad. Khim.*, 1954, 28, 1050-50; *Chem. Abs.*, 1954, 48, 1053. Polyvinyl chloride films were transformed to tridimensional insoluble form by thermal means above 150° C., the extent being directly related to quantity of heat treating the plastic. It is almost complete in 4 hr. at 170°. The transformation may occur by the way of valencies of radicals formed after cleavage of hydrogen chloride. Owing to steric hindrance, double-bond formation can be expected as well. This is clearly shown by the existence of 1,000 to 1,100 cm.<sup>-1</sup> band in the infrared spectrum.

3S21121E

11-9-51  
mly

USSR

✓ Research in the field of saturated polymer reactions.  
VI. Transformation of polyvinyl chloride into tridimethylsilanol polymer. A. Ya. Grishina and A. M. Busharova.  
*J. Appl. Chem. U.S.S.R.* 26, 983-7 (1953). (See also reference 10.)—See C.A. 48, 10531. H. L. H.

BOCHAROVA, A. M.

Chem Abo 345

1 - 25-54

Synthetic Resins  
- Plastics

✓ Transformation of polyvinyl chloride into tridimensional polymer. A. Ya. Drinberg and A. M. Bocharova (Leningrad Technol. Inst., Leningrad). Zhur. Tekhn. Khim. 26, 1058-60 (1953).—Polyvinyl chloride films were transformed to tridimensional insol. form by thermal means. The transformation occurs at temp. above 150° and the extent is increased by higher temp. and extended duration. It is almost complete in 4 hrs. at 170°.  $Bz_2O$  accelerates the change but slightly. Zn oleate serves to cross-link the chains considerably and permits the temp. to be lowered to 150° from 170°. The transformation may occur by the way of valences of radicals formed after cleavage of HCl. Owing to steric hindrance, double-bond formation can be expected as well; this is clearly shown by the existence of 1000-1100  $\text{cm}^{-1}$  band in the infrared. G. M. Kosolapoff

10-11-54

(3)

✓ 15737\* (Russia) An Instrument for Determining the Softening Temperature of Linseed Oil - Prilozhenie  
to instruction manual for 15736 plumb.

Leningradskiy tekhnologicheskiy  
imeni Lensovetza

(Varnish and varnishing)

BOCHAROVA, Aleksandra Matveyevna; GOL'DFARB, Lyubov' Il'inichna;  
ZHUKOVA, V.I., inzh., red.; FREGER, D.P., red. izd-va;  
BELOGUROVA, I.A., tekhn. red.

[Anticorrosive coatings made from organic dispersed polyvinyl  
chloride] Antikorrozionnye pokrytiia na osnove organodispersii  
polivinilklorida. Leningrad, 1961. 14 p. (Leningradskii Dom  
nauchno-tekhnicheskoi propagandy. Obmen peredovym opyтом.  
Seriia: Zashchitnye pokrytiia, no.6) (MIRA 14:12)  
(Corrosion and anticorrosives)

BOCHAROVA, A.M.; GOL'DFARB, L.I.

Coatings with a base of organic dispersions of polyvinyl chloride.  
Lakokras. mat. i ikh prim. no.5:15-18 '63. (MIRA 16:11)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

BOCHAROVA, A. P., ARSHINOV, V. V., URAL'SKIY, B. P. and

"The Sysertsky deposit of anthophyllite-asbestos," Trans. All-Union Sci. Research Inst. Econ. Mineral. (USSR) No. 125, 4-88(in English, 89-92), 1937.

NOTE: See card for ARSHINOV, V. V. for abstract.

BOCHAROVA, A.P.

TITOV, V.I.; BOCHAROVA, A.P.; VASIL'YEV, P.I.; LIMBOVA, P.G.; PODVAL'NAYA,  
R.L.; AVERKIYEVA, T.A., tekhnicheskij redaktor

[Methods of chemical analysis of mineral ores] Metody khimicheskogo  
analiza mineral'nogo syr'ia. Moskva, Gos.nauchno-tekhn.izd-vo lit-  
ry po geol. i okhrane nedr. No.3. 1957. 90 p. (MLRA 10:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut  
mineral'nogo syr'ya.  
(Mineralogical chemistry)

BOCHAROVA A. P.

BOCHAROVA, A. P.

Bocharova, A. P., Malyshov, V. I.

"Determination of the Ratio of Thorium Content to Uranium Content in Ores and Minerals" p. 35

in book Methods of Determining Radioactive Elements in Mineral Raw Materials.  
1958, 68 pp

USSR / Soil Science. Tillage. Reclamation. Erosion. J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6102.

Author : Bocharova, A. S.

Inst : Not given.

Title : Deep Plowing of Common Chernozem Soils.

Orig Pub: Kukuruza, 1958, No 3, 28.

Abstract: No abstract.

Card 1/1

40

BOCHAROVA, D. A.

USSR

Determination of silver in protargol and collargol. D. A.  
Bocharova. Zhur. Tekhn. Khim., No. 6, 34-5(1954).  
Protargol and collargol are weighed out in weighing bottles  
with 10-12 cc. dil. HNO<sub>3</sub> per 0.4 g. protargol and 16-17  
cc. HNO<sub>3</sub> per 0.2 g. collargol and titrated with 0.1N NH<sub>4</sub>  
CNS. In case of collargol the pptd. protein is first filtered  
off and washed with several portions of water slightly acidified  
with HNO<sub>3</sub>. A. S. Mirkin

BOCHAROVA, D.A., aspirant

Pharmacognostic study of Vinca herbacea Waldst et Kit  
(Apocynaceae) growing in the northern Caucasus. Apt.  
delo 8 no.2:23-28 Mr-Ap '59. (MIRA 12:5)

1. Iz kafedry farmakognosii (zav. - dots. D.A.Murav'yeva)  
Pyatigorskogo farmatsevticheskogo instituta Ministerstva  
zdravookhraneniya RSFSR.  
(CAUCASUS, NORTHERN---VINCA)

BOCHAROVA, D.A.

Alkaloid content of Vinca herbacea W. et K. at different stages  
of its vegetation. Apt. delo 9 no.3:35-39 My-Je '60.

(MIRA 14:3)

1. Kafedra farmakognozii Pyatigorskogo farmatsevticheskogo instituta.  
(VINCA) (ALKALOIDS)

BOCHAROVA, D. A., CAND PHARM SCI, "MATERIALS PHAR-  
MACOGNOSTIC ~~study~~ <sup>Data for the</sup> PERIWINKLES OF NORTHERN  
CAUCASUS." LENINGRAD, 1961. (MIN OF HEALTH RSFSR, PYATI-  
GORSK PHARM INST). (KL, 3-61, 237).

490

BOCHAROVA, D.A.

Some morphological and anatomical characters of periwinkle  
species growing in the Northern Caucasus. Trudy Len. khim.-  
farm. inst. 12:25-32 '61. (MIRA 15:3)

1. Kafedra farmakognosii Pyatigorskogo farmatsevticheskogo  
instituta.

(CAUCASUS, NORTHERN--PERIWINKLE)  
(BOTANY--MORPHOLOGY)

BOCHAROVA, D.A.

Growing the periwinkle Vinca herbacea in Pyatigorsk. Rast.res. 1  
no.3:405-410 '65. (MIRA 18:10)

1. Pyatigorskiy farmatsevticheskiy institut.

BOCHAROVA, G.I.

Mineralization stage in two groups of hydrothermal polymetallic deposits of the Northern Caucasus. Vest. Mosk. un. Ser. biol. pochv., geol., geog. 13 no. 1:125-129 '58. (MIRA 11:?)

1. Moskovskiy gosudarstvennyy universitet, Knfedra mineralogii.  
(Caucasus, Northern--Ore deposits)

BOCHAROVA, G.I.

Nickel-bearing minerals in polymetallic ore deposits of the  
Northern Caucasus. Vest. Mosk.un.Ser.biol., pochv., geol., geog.  
14 no.1:165-167 '59. (MIRA 12:9)

1. Moskovskiy gosudarstvennyy universitet, Kafadra mineralogii.  
(Tysyl Valley--Nickel) (Musht Valley--Nickel)

BOCHAROVA, G.I.

Bitumens in hydrothermal veins of the Kurultyk deposit  
(eastern Transbaikalia). Dokl. AN SSSR 156 no. 3:590-591  
'64. (MIRA 17:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.  
Predstavлено академиком V.I.Smirnovym.

SMIRNOV, V.I.; BORODAYEV, Yu.S.; BOCHAROVA, G.I.; GONCHAROVA, T.Ya.;  
DEMIDOVA, N.G.; ORLOV, R.Yu.

Characteristics of the igneous activity and metallogeny of  
geosyclinal and platform stages in the development of the  
western part of the Greater Caucasus. Zakonom.razm.polezn.iskop.  
7:210-218 '64. (MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

KOROBANOVA, Irina Grigor'yevna; BOCHAROVA, Irina Sergeyevna;  
ZUBKOVICH, Galina Georgiyevna; KOVALEVA, Antonina Petrovna;  
KOPYLOVA, Al'bina Konstantinovna; POPOV, I.V., doktor geol.-  
min. nauk, otv. red.; STOLYAROV, A.G., red. izd-va; SUSHKOVA,  
L.M., tekhn. red.

[Characteristics of Jurassic rocks in the Kursk Magnetic  
Anomaly in connection with the conditions of their forma-  
tion from the view point of engineering geology] Inzhenerno-  
geologicheskaiia kharakteristika iurskikh porod KMA v sviazi s  
usloviami ikh formirovaniia. [By] I.G.Korobanova i dr. Mo-  
skva, Izd-vo Akad. nauk SSSR, 1963, 109 p. (MIRA 16:4)  
(Kursk Magnetic Anomaly—Engineering geology)  
(Kursk Magnetic Anomaly—Rocks, Sedimentary)

BOCHAROVA, I.V.

Asymptotic nature of a certain problem with a free boundary  
for a heat-conduction equation. Dokl. AN SSSR 143 no.2:259-  
261 Mr '62.  
(MIRA 15:3)

1. Predstavлено академиком I.G.Petrovskim.  
(Heat-Conduction)  
(Differential equations)

L 27871-66 EWT(m)/EWA(h)  
ACCESSION NR: AP5021112

UR/0056/65/049/002/0476/0484

AUTHORS: Bocharova, I. Ye.; Zolotukhin, V. G.; Kapitsa, S. P.;  
Smirenkin, G. N.; Soldatov, A. S.; Tsipenyuk, Yu. M.

TITLE: Angular distribution of U-238 photofission fragments near the  
fission threshold

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49,  
no. 2, 1965, 476-484

TOPIC TAGS: uranium, photonuclear reaction, nuclear fission, angular  
distribution, fission product

ABSTRACT: A preliminary report on this research was published in  
Physics Letters v. 14, 217, 1965. To observe quadrupole fission  
experimentally, the angular distribution of the fragments emitted in  
photofission of U<sup>238</sup> near threshold were measured by recording the  
fission events in glass. The photons were produced by electrons ac-  
celerated in the 12-MeV high-current microtron of IFP AN SSSR (In-  
stitute of Physics Problems, AN SSSR). The angular distributions of

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ACCESSION NR: AP5021112

the fragments were measured at proton energies 5.2, 5.4, 5.65, 5.9, 6.4, 6.9, and 9.25 MeV. The immediate purpose was to detect the component proportional to  $\sin^2\theta$  in the angular distribution, which should be due to the  $2^+(K = 0)$  channel in quadrupole photon absorption which has been shown to have a much lower cross section than dipole absorption ( $K$  -- projection of the total angular momentum on the fission axis). The experimental results confirm the hypothesis by A. Bohr (International Conference on Peaceful Uses of Atomic Energy, Geneva 1955, v. 2, Fizmatgiz 1958, page 175) regarding the similarity of the fission-channel spectrum and the lower-excited-level spectrum near the ground state of the equilibrium nucleus. The distance between the threshold of the fission channels for  $2^+$  and  $1^-$ , ( $K = 0$ ) as well as  $1^-$ , ( $K = 0$ ) and  $1^-$ , ( $K = 1$ ) is not less than 0.5 MeV. Other important results of the research are the high anisotropy of photofission for low photon energies, and the appreciable distance between thresholds of the fission channels  $2^+$  and  $1^-$  ( $K = 0$ ) on the

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ACCESSION NR: AP5021112

one hand  $1^-$  ( $K = 1$ ) on the other. A more detailed analysis will be made after data are obtained on the photofission of  $\text{Th}^{232}$  and  $\text{Pu}^{240}$ .  
The authors thank L. N. Usachev and N. S. Rabotnov for interest and helpful discussions, P. L. Kapitsa for supporting the research, and M. K. Golubeva, L. D. Gordeyeva and N. Ye. Fedorova for participation in the work.<sup>7</sup> Orig. art. has: 6 figures, 4 formulas, and 1 table.

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR  
(Institute of Physical Problems, Academy of Sciences, SSSR)

SUBMITTED: 31Mar65

ENCL: 00

SUB CODE: NP

NR REF Sov: 007

CTHER: 008

Card 3/3 Q0

SOV/137-58-10-20729

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 55 (USSR)

AUTHOR: Bocharova, K.P.

TITLE: Analysis of the Functioning of Sock Filters at the Moscow Electrolytic Copper Plant (Analiz raboty rukavnykh fil'trov na Moskovskom medeelektrtolitnom zavode)

PERIODICAL: Sb. materialov po pyleulavlivaniyu v tsvetn. metallurgii.  
Moscow, Metallurgizdat, 1957, pp 281-289

ABSTRACT: At the Moscow Electrolytic Copper Plant, shaft-furnace and converter gases are cleaned of dust in sock (SF) and bag (BF) filters, seamless socks (wool + kapron) being used therein. All the filter socks and bags in a single equipment are replaced simultaneously. The life of filter socks is 7-9 months on the average. Data are presented on the consumption of filter fabric in 1951-55. The load on the fabric of a SF is  $1-1.3 \text{ m}^3/\text{m}^2\cdot\text{min}$ , and that on a BF is  $0.35 \text{ m}^3/\text{m}^2\cdot\text{min}$ . In cooperation with Gintsvetmet, automatic maintenance of the temperature conditions ahead of the SF, attained by controlling the delivery of water into the cyclones and by air leakage, was introduced. Data are presented on the pressure conditions in SF and BF.

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SOV/137-58-10-20729

Analysis of the Functioning of Sock Filters (cont.)

The operation of the filters is monitored by traps mounted in the filter-exhaust tubes. As a result of the introduction of the traps, simultaneous replacement of the socks, and maintenance of a standard temperature, the efficiency of SF rose from 93.4% (1951) to 99.7% (1955) and that of BF from 99.5% to 99.7%. The dust recovered from the filters is delivered by worm feed and shovel lift to the bunkers of packaging machines. The dust is packed in paper sacks (sack weight 18-40 kg). Stitching machines for sealing the sacks are being introduced.

G.G.

1. Particulate filters--Analysis    2. Particulate filters--Performance  
3. Gases--Cleaning

Card 2/2

BOCHAROVA, G.I.

Zinc blende in the Elburs ore deposit (Caucasus). Vest. mosk.  
un. Ser. 4: Geol. 15 no. 5:45-50 8-0 '60. (MIRA 13:12)

1. Kafedra mineralogii Moskovskogo universiteta.  
(Kuban Valley--Sphalerite)

TEREMETSKAYA, A.G.; BOCHAROVA, G.I.; VOLCHENKOVA, V.A.

Anisotropy of some physical properties of calcite. Vest.Mosk.un.  
Ser.4: Geol. 17 no.5:44-49 S-0 '62. (MIRA 15:11)

1. Kafedra mineralogii Moskovskogo universiteta.  
(Anisotropy) (Calcite)

24,5200

35720  
S/020/62/143/002/002/022  
B112/B106

AUTHOR: Bocharova, I. V.

TITLE: Asymptotic behavior of the solutions of a problem with free boundary for the heat conduction equation

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 2, 1962, 259-261

TEXT: The boundary value problem

$\partial^2 u / \partial x^2 = \partial u / \partial t$ ;  $u|_{x=0} = f_1(t)$ ,  $u|_{x=s(t)} = f_2(t)$ ,  $\partial u / \partial x|_{x=s(t)} = g(t)$

is considered. It is demonstrated that each solution  $u(x, t)$ ,  $s(t) \leq (a_2 - a_1)/b$  ( $a_2 > a_1$ ,  $b > 0$ ) satisfies the inequalities

$|u(x, t) - bx - a_1| \leq M_1 \psi(t)$ ,  $|(a_2 - a_1)/b - s(t)| \leq M_2 \psi(t)$ , where

$$\psi(t) = ce^{-ct} \left( \int_0^t e^{cz} \sup_{\tau \geq z} |\varepsilon(\tau)| dz + \frac{1}{c} \sup_{\tau \geq 0} |\varepsilon(\tau)| \right),$$

if the conditions  $|f_1(t) - a_1| \leq \varepsilon(t)$ ,  $|f_2(t) - a_2| \leq \varepsilon(t)$ .

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Asymptotic behavior of the...

S/020/62/143/002/002/022  
B112/B108

$|g(t) - b| \leq \varepsilon(t)$ ,  $\varepsilon(t) \rightarrow 0$  for  $t \rightarrow 0$  are fulfilled. There are 2 Soviet references.

PRESENTED: November 3, 1961, by I. G. Petrovskiy, Academician

SUBMITTED: October 17, 1961

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ACC NR: AP6036827

(A)

SOURCE CODE: UR/0021/66/000/011/1417/1422

AUTHOR: Pysarenko, H. S. — Pisarenko, G. S. (Academician AN UkrSSR); Bocharova,  
L. A.

ORG: Institute of the Problems of the Science of Metals AN URSR (Institut problem  
materialoznavstva AN URSR)

TITLE: Investigation of the damping properties of some refractory metals at high  
temperatures in vacuum

SOURCE: AN UkrSSR. Dopovidi, no. 11, 1966, 1417-1422

TOPIC TAGS: vibration damping, refractory metal damping ability, molybdenum  
vibration damping ability, tungsten vibration damping ability, niobium vibration  
damping ability, refractory metal

ABSTRACT: In a search for a material possessing high damping characteristics at  
high temperatures, the Laboratory of Vibrations of the Institute of Problems of  
the Science of Materials AN URSR has investigated the damping behavior of as-rolled  
and annealed (1173K for 1 hr) sintered molybdenum, arc-melted niobium, and sintered  
tungsten. Flat specimens were subjected to vibrations under a stress varying  
from 200 to 300 mm/m<sup>2</sup> in a vacuum at 293—1500K and in air at 293K. The logarithmic  
decrement of vibrations was used as a criterion of the damping ability. In all  
the tested materials and at all test temperatures, the decrement increased with

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ACC NR: AP6036827

increasing stress. The decrement of the tested metals, except molybdenum in the as-rolled condition, increased with increasing test temperature. For almost all the tested metals in the entire range of test temperatures, the values of the decrement on heating differed from those on cooling. At 273K, the damping properties of metals before heating were, as a rule, slightly higher than after heating. The magnitudes of the decrement in vacuum and in air at 273K differed by 6-8%, with the difference decreasing as the decrement increased. At all test temperatures, refractory metals had a higher decrement of vibrations than the most heat-resistant nickel-base alloys. Satisfactory damping properties combined with a high endurance limit (as compared with heat-resistant alloys) in the wide temperature range make refractory metals promising structural materials in various fields of modern industry. Orig. art. has: 4 figures.

[MS]

SUB CODE: 11/ SUBM DATE: 07Jun66/ ORIG REF: 002/ OTH REF: 001/ ATD PRESS: 5109

Card 2/2

LARINA, V.A.; KASHTANOVA, A.Z.; BOCHAROVA, L.A.

Semicoking with catalytic cracking of humic coals of the Irkutsk Basin. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:61-68 '61.  
(MIRA 16:8)

(Irkutsk Basin—Coal—Carbonization)  
(Catalysis)

KLYACHKIN, L.M.; BOCHAROVA, L.Kh.

Automatic method for determining the diameter of erythrocytes.  
Lab. delo no. 8480-482 '64. (MIRA 17:12)

1. Klinika khirurgii (nachal'nik - prof. T.Ya.Ar'yev) i  
klinika gospital'noy terapii (nachal'nik - deyatel'nyy chlen  
AMN SSSR prof. N.S.Molchanov) Voyenno-meditsinskoy ordena Lenina  
akademii im. S.M.Kirova, Leningrad.

1. POPOV, P.; BOCHAROVA, L.; GRESHNOVA, A.
2. USSR (600)
4. Frit Flies
7. Frit fly control in grain stands, P.Popov, L. Bocharova, A. Greshnova, Sel. i. sem. 20 no. 5, 1953.
  
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8

BOCHAROVA, L. P.

Bocharova, L. P. -- "Problems and Possibilities of Applying Organic Phosphorous Insecticides Acting within Plants against a Number of Pests of Field and Vegetable Crops." Moscow Order of Lenin Agricultural Acad imeni K. A. Timiryazev, Moscow, 1955 (Dissertation for the Degree of Candidate in Agricultural Sciences)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8"

USSR/General and Specialized Zoology - Insects. Harmful Insects  
and Acarids. Chemical Means in the Control of  
Harmful Insects and Acarids.

P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25433

Author : Popov, P.V., Bocharova, L.P., Ukrainianets, N.S., Sedykh, A.S.

Inst :

Title : Contact and Intraplantar Insecticide Action of the  
Systox Group Compounds.

Orig Pub : V sb.: Organ. insektofungitsidy i gerbitsidy, M.,  
Goskhimizdat, 1958, 13-25

Abstract : Of the systox group compounds, thiol isomer (I), mercaptophos (M), commercial M and thionic I and M, methylmercaptophos and methylethylmercaptophos possess the greatest contact toxicity and most lasting protective effectiveness. To obtain an identical toxic and protective effect, the concentration of the designated thionic M should be  $1\frac{1}{2}$ - $2\frac{1}{2}$  times greater than I and commercial M;

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USSR/General and Specialized Zoology - Insects. Harmful Insects  
and Acarids. Chemical Means in the Control of  
Harmful Insects and Acarids.

P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25408

Author : Popov, P.V., Bocharova, L.P., Ukrainets, N.S.

Inst :

Title : The Insecticidal and Acuricidal Properties of Methylethylthiophos.

Orig Pub : V sb.: Organ. insectofungitsidy i gerbitsidy. M.,  
Goskhimizdat, 1958, 39-42

Abstract : The toxicity of thiphos and methylethylthiophos was practically the same in experiments with the citrus mealybug, the storage weevil, the beet aphid and the *Meglosiphum picridis* aphid. Equitoxic concentrations of these combinations differed not more than by 15-20%. The following was the comparative species resistance of the insects under experiment in descending order:

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USSR/General and Specialized Zoology - Insects. Harmful Insects  
and Acarids. Chemical Means in the Control of  
Harmful Insects and Acarids.

P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25408

the females of the citrus mealybug, the middle-age larvae  
of the scale insect, the storage weevil beetles, the beet  
aphid (females), M. picridis (wingless females). -- A.P.  
Acrianov

Card 2/2

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USSR/General and Specialized Zoology - Insects. Harmful Insects and Acarids. Chemical Means in the Control of Harmful Insects and Acarids.

P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25429

Author : Bocharova, L.P., Popov, P.V., Ukrainianets, N.S.

Inst : -

Title : Sulfacid Esters as Acaricides

Orig Pub : V sb.: Organ. insektotfungitsidy i gerbitsidy. M., Goskhimizdat, 1958, 257-261

Abstract : Among the studied chlorophenyl esters of methane- benzene- and chlorobenzene sulphonic acids in the control of Metatetranychus citri, only 4-chlorophenyl-4-chlorobenzene sulphonate is effective. Feasible admixtures to it (phenyl-, 2-chlorophenyl-, 2,4-dichlorophenyl- and 2,4,5-trichlorophenyl-4-chlorobenzene sulphonates) are practically ineffective in the control of acarids. In distinction from the acaricides of the thiophos type and

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USSR/General and Specialized Zoology - Insects. Harmful Insects  
and Acarids. Chemical Means in the Control of  
Harmful Insects and Acarids.

P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25429

their speedy acaricide action but slow protective duration, the initial acaricide action of the sulfacid ester in the form of a 0.13% suspension (of the active agent) is manifested in 4-5 days, and the duration of the protective action is preserved for not less than 2-3 weeks. At the intensive infestation of the plants by acarids, it is expedient to apply a mixture of ester sulphonate with acaricides of thiophos or carbophos types, which in a few days destroy the basic reserve of eggs and mobile forms of the acarids; the small quantity of the remaining living acarids and hatching larvae will be destroyed by the ester sulphonate. -- A.P. Adrianov

Card 2/2

- 19 -

BOCHAROVA, L.P., UKRAINETS, N.S.

Effect of phosphorous organic insecticides ascorbic acid oxidase  
[with summary in English]. Biokhimiia 23 no.3:388-389 My-Je '58  
(MIRA 11:8)

1. Nauchnyy institut po udobreniyam i insektofungitsidam  
Ministerstva khimicheskoy promyshlennosti SSSR, Moskva.  
(OXIDASE,

ascorbic acid oxidase, eff. of phosphate insecticides  
(Rus))  
(PHOSPHATES, effects,  
on ascorbic acid oxidases, insecticides (Rus))

MEL'NIKOV, N.N.; MANDEL'BAUM, Ya.A.; SHVETSOVA, K.D.; BAKANOVA, Z.M.  
LOMAKINA, V.I.; ZAKS, P.G.; MIL'SHTEYN, I.M.; POPOV, P.V.;  
POKROVSKIY, Ye.A.; BOCHAROVA, L.P.; SEDYKH, A.S.; UKRAINETS, N.S.

Improved technology for producing thiophos, metaphos, chlorophos  
and other phosphorus organic insecticides and investigation of  
new insecticides and fungicides derived from the esters of  
phosphoric acids. [Trudy] NIUIF no.164:11-14 '59. (MIRA 15:5)  
(Insecticides) (Fungicides)

BEZUGLYY, S.F.; AKIMOV, B.A.; POPOV, P.V.; UKRAINETS, N.S.; BOCHAROVA, L.P.

Physicochemical investigations of the wettable powders of different  
insecticides in order to improve the methods of their production.  
[Trudy] NIUIF no.164:32-34 '59. (MIRA 15:5)  
(Insecticides)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8

MEL'NIKOV, N.N.; SHVETSOVA-SHILOVSKAYA, K.D.; MAKSIMOVA, Z.I.; BOCHAROVA,  
L.P.; SHAPOVALOVA, G.K.

Recovery of insecticidal preparations in aryl esters of the N-alkyl  
carbamic acid. Khim. prom. no.10:15-17 0 '61. (MIRA 15:2)  
(Insecticides)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8

MEL'NIKOV, N.N.; VARSHAVSKIY, S.L.; SHVETSOVA-SHILOVSKAYA, K.D.; ANDRIANOVA,  
L.V.; BOCHAROVA, L.P.; KOFMAN, L.P.

Phosphamide, a highly effective insecticide. Khim. prom. no.10:  
17-20 0 '61. (MIRA 15:2)  
(Insecticides)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8"

BOCHAROVA, L.P.

Toxicity of organophosphorus insecticides to the beet leaf miner.  
[Trudy] NIUIF no.171:30-33 '61. (MIRA 15:7)  
(Beet leaf miner) (Phosphorus organic compounds) (Insecticides)

SHVETSOVA-SHILOVSKAYA, K.D., starshiy nauchnyy sotrudnik; BOCHAROVA, L.P.,  
starshiy nauchnyy sotrudnik; SHCHERBAKOV, V.V.

Carbamate as insecticide. Zashch. rast. ot vred. i bol. 6  
no.9:31 S '61.

(MIRA 16:5)

1. Nauchno-issledovatel'skiy institut po udobreniyam i insektofunkcional'nyim gisidam imeni Samoylova (for Shvetsova-Shilovskaya, Bocharova).
2. Zaveduyushchiy otdelom zashchity rastenij Melitopol'skoy opavznoy stantsii sadovodstva (for Shcherbakov).

(Sevin)

BOCHAROVA, L.P.

Anticholinesterase activity of organophosphorus insecticides,  
such as mercaptophos, methylmercaptophos and the preparation  
M-81. [Trudy] NIUIF no.171:34-38 '61. (MIRA 15:7)  
(Cholinesterase) (Insecticides) (Phosphorus organic compounds)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8

BOCHAROVA, L.P.

Conference on chemical protection of plants in Kiev. Zashch.  
rast. ot vred. i bol. 6 no.3:57 Mr '61. (MIRA 15:6)  
(Plants, Protection of--Congresses).

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8"

SHVETSOVA- SHILOVSKAYA, K.D.; MEL'NIKOV, N.N.; ANDREYEVA, Ye.I.;  
BOCHAROVA, L.P.; SAPOZHKOVA, Yu.N.

Organic insectofungicides. Part 57: Synthesis, insecticidal  
and fungicidal properties of certain arsenic organic compounds.  
Zhur. ob. khim. 31 no.3:845-849 Mr '61. (MIRA 14:3)

1. Nauchnyy institut po udobreniyam i insektofungitsidam imeni  
Ya. V. Samoylova.

(Arsenic organic compounds)  
(Insecticides)(Fungicides)

SHVETSOVA-SHILOVSKAYA, K.D.; MEL'NIKOV, N.N.; MAKSIMOVA, Z.I.;  
ZAKHAROVA, T.S.; BOCHAROVA, L.P.

Organic insectifungicides. Part 66: Synthesis and  
insecticide properties of esters of certain carbamic  
acids. Zhur.ob.khim. 32 no.10:3230-3232 O '62. (MIRA 15:11)

1. Nauchnyy institut po udobreniyam i insektofungitsidam  
imeni Ya.V. Samoylova.  
(Carbamic acid) (Insecticidew)

ZUBOV, M.F.; FEDOSEYENKO, L.G.; SANIN, M.A.; PIVOVAROVA, T.M.; ZIL'BERMINTS,  
I.V., kand. biolog. nauk; FADEYEV, Yu.N., kand. sel'skokhoz. nauk;  
ZHURAVLEVA, L.M.; KIPIANI, A.A., aspirant; MEL'NIKOV, N.N.;  
BOCHAROVA, L.P.; SHVETSOVA-SHILOVSKAYA, K.D.; SHAPOVALOV, G.K.;  
~~SPIRINA, T.A.~~; SEDYKH, A.S.; ZINCHENKO, V.A., aspirantka

From experiments in the use of new preparations. Zashch. rast.  
ot vred. i bol. 8 no.10:24-26 0 '63. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh  
sredstv zashchity rasteniy (for Zubov, Fedoseyenko, Sanin,  
Pivovarova). 2. Gruzinskiy institut zashchity rasteniy (for  
Kipiani). 3. Moskovskaya ordena Lenina sel'skokhozyaystvennaya  
akademiya im Timiryazeva (for Zinchenko).

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8

BOCHAROVA, M., kand.tekhn.nauk

High-voltage electric lines. NTO 4 no.9:26-29 S '62.

(Electric lines)

(MIRA 16:1)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8

BOCHAROVA, M. D.

BOCHAROVA, M. D. -- "WORKS OF YAKOB AND THEIR SIGNIFICANCE IN THE DEVELOPMENT OF PRACTICAL APPLICATIONS OF ELECTRICITY." SUB 19 DEC 52, MOSCOW ORDER OF LENIN POWER ENGINEERING INST IMENI V. M. MOLOTOV (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SC: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8"

BOCHAROVA, N.D.

P.D.Voinarovskii, an outstanding pedagogue in Russian electric engineering. Trudy po ist.tekh. no.6:85-97 '53. (MLRA 7:5)  
(Voinarovskii, Pavel Dmitrievich, 1866-1913)

BOCHAROVA, M.D., kandidat tekhnicheskikh nauk, Moscow.

"Boris Semenovich Iakobi. A biographical outline." M.I.Radovskii.  
Reviewed by M.D.Bocharova. Elektrичество no.6:92-95 Je '54.

(Radovskii, M.I.) (Iakobi, Boris Semenovich, 1801-1874)  
(MLRA 7:7)

NECHAYEV, Nikolay Vasil'yevich; kandidat pedagogicheskikh nauk; PANKRATOVA,  
A.M., akademik, redaktor; BOCHAROVA, M.D., redaktor; SADK, L.S.,  
redaktor; OSTRIROV, N.S., tekhnicheskiy redaktor

[Mining and metallurgical schools of the Urals; the history of  
professional and technical education in Russia] Gornozavodskie  
shkoly Urala; k istorii professional'no-tehnicheskogo obrazovaniya  
v Rossii. Pod red. A.M.Ponkratovoi. Moskva, Vses. uchebno-pedagog.  
izd-vo Trudrezervizdat, 1956. 205 p. (MLEA 9:11)  
(Technical education--History)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8

BOCHAROVA, M. D.

BOCHAROVA, M.D., kandidat tekhnicheskikh nauk (Moskva)

Alessandro Volta; on the 130th anniversary of his death. Elektrичество  
no.3:73-76 Mr '57.  
(Volta, Alessandro, 1745-1827) (MIRA 10:4)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8"

BOCHAROVA, M.D.; ANDREYANOVA, V.V.

~~Anniversary calendar. Politekh. obuch. no.5:95-96 My '58.~~

(MIRA 11:5)

(Inventions)

BOCHAROVA, Mayya Dmitriyevna; SHNEYBERG, Ya.A., red.; VORONIN, K.P.,  
tekhn.red.

[B.S.Iakobi's works in electrical engineering] Elektrotekhnicheskie raboty B.S.Iakobi. Moskva, Gos.energ.izd-vo, 1959.  
230 p.

(MIRA 13:3)

(Electrical engineering)  
(Jacobi, Moritz Hermann von, 1801-1874)

BOCHAROVA, M.; ANDREYANOVA, V.

Noteworthy dates of great technical discoveries. Politekh.  
obuch. no.9:95-96 S '59. (MIRA 12:12)  
(Scientists)

BOCHAROVA, M.

Noteworthy dates of great technical discoveries. Politekh.  
obuch. no.12:89 D '59. (MIRA 13:5)  
(Graftio, Genrikh Osipovich, 1869-1949)

*BOCHAROVA, M.D.*

BERG, A.I., glav. red.; TRAPEZNICKOV, V.A., glav. red.; BERKOVICH, D.M., zaml glav. red.; LERNER, A.Ya., doktor tekhn. nauk, prof., zam. glav. red.; AVEN, O.I., red.; AGEYKIN, D.I., red.; kand. tekhn. nauk, dots., red.; AYZERMAN, M.A., red.; VENIKOV, V.A., doktor tekhn. nauk, prof., red.; VORONOV, A.A., doktor tekhn. nauk, prof., red.; ZERNOV, D.V., red.; IL'IN, V.A., doktor tekhn. nauk, prof., red.; KITOV, A.I., kand. tekhn. nauk, red.; KOGAN, B.YA., doktor tekhn. nauk, red.; KOSTOUSOV, A.I., red.; KRINITSKIY, N.A., kand. fiz.-mat. nauk red.; LEVIN, G.A., prof. red.; LOZINSKIY, M.G., doktor tekhn. nauk, red.; LUSSIYEVSKIY, V.I., red.; MAKSAREV, Yu.Ye., red.; MASLOV, A.A., dots., red.; POPKOV, A.A., red.; RAKOVSKIY, M.Ye., red.; ROZENBERG, L.D., doktor tekhn. nauk, prof., red.; SOTSKOV, B.S., red.; TIMOFEEV, P.V., red.; USHIKOV, V.B., doktor tekhn. nauk, red.; FEL'DBAUM, A.A., doktor tekhn. nauk, prof., red.; FROLOV, V.S., red.; KHARKEVICH, A.A., red.; KHRAMOV, A.V., kand. tekhn. nauk, red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; CHELYUSTKIN, A.B., kand. tekhn. nauk, red.; SHREYDER, Yu.A., kand. fiz.-mat. nauk, dots., red.; BOCHAROVA, M.D., kand. tekhn. nauk, starshiy nauchnyy red.; DELONE, N.N., inzh., nauchnyy red.; BARANOV, V.I., nauchnyy red.; PAVLOVA, T.I., tekhn. red.  
[Industrial electronics and automation of production processes] Avtomatizatsiya proizvodstva i promyshlennaya elektronika. Glav. red. A.I. Berg i V.A. Trapeznikov. Moskva, Gos.nauchn. izd-vo "Sovetskaya Entsiklopediya." Vol.1. A - I. 1962. 524 p.

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; BOCHAROVA,  
M.D., kand. tekhn. nauk, st. nauchn. red.; DELONE, N.N.,  
inzh., st. nauchn. red.; BARANOV, V.I., nauchn. red.; ZABELINA, Ye.P., mlad. red.; PAVLOVA, T.I., tekhn.red.

[Automation of production processes and industrial  
electronics; encyclopedia of modern technology] Avtomati-  
zatsiia proizvodstva i promyshlennaiia elektronika; entsi-  
klopediia sovremennoi tekhniki. Glav. red. A.I.Berg i  
V.A.Trapeznikov. Moskva, Sovetskaiia entsiklopediia.  
Vol.2. K - Pogreshnost' izmereniia. 1963. 528 p.  
(MIRA 16:12)

(Automation—Dictionaries)  
(Electric engineering—Dictionaries)

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; VORONOV A.A., prof., red.; AGEYKIN, D.I., doktor tekhn. nauk red.; GAVRILOV, M.A., red.; VENIKOV, V.A., doktor tekhn. nauk, prof., red.; SOTSKOV, B.S., red.; CHELYUSTKIN, A.B., doktor tekhn. nauk, red.; PROKOF'YEV, V.N., doktor tekhn. nauk, prof., red.; IL'IN, V.A., doktor tekhn. nauk, prof., red.; KITOV, A.I., doktor tekhn. nauk, red.; KRINITSKIY, N.A., kand. fiz.-mat. nauk, red.; KOGAN, B.Ya., doktor tekhn. nauk, red.; USHAKOV, V.B., doktor tekhn. nauk, red.; LERNER, A.Ya., doktor tekhn. nauk, prof., red.; FEL'DBAUM, A.A., doktor tekhn. nauk, prof., red.; SHREYDER, Yu.A., kand. fiz.-mat. nauk, red.; KHARKEVICH, A.A., akademik, red. [deceased]; TIMOFEEV, P.V., red.; MASLOV, A.A., dots., red.; TRUTKO, A.F., inzh., red.; LEVIN, G.A., prof., red.; LOZINSKIY, M.G., doktor tekhn. nauk, red.; NETUSHIL, A.V., doktor tekhn. nauk, prof., red.; POPKOV, V.I., red.; ROZENBERG, L.D., doktor tekhn. nauk, prof., red.; LIFSHITS, A.L., kand. tekhn. nauk, red.; AVEN, O.I., kand. tekhn. nauk, red.; BLANN, O.M. [Blunn, O.M.], red.; BROYDA, V., inzh., prof., red.; BREKK'L', L. [Brockl, L.] inzh., knad. nauk, red.; VAYKHARDT, Kh. [Weichardt, H.], inzh., red.; BOCHAROVA, M.D., kand. tekhn. nauk, st. nauchn. red.

[Automation of production processes and industrial electronics]  
Avtomatizatsiya proizvodstva i promyshlennaya elektronika; entsiklopediya sovremennoi tekhniki. Moskva, Sovetskaia entsiklopedia. Vol.4. 1965. 543 p.  
"TRA 18:6)

Electrolytic paste for galvanic cells. P.M. Margulik, N.  
D. Bucharova and S.R. Korneev. U.S.S.R. 103,857  
16.2.1987. An absorbent capable of ion exchange, e.g.  
barium ferrite, strontium ferrite is used as the carrier.  
The carrier is dispersed in a binder.

TUYEZHOVA, Nina Aleksandrovna; Prinimali uchastiyet DEMINA, R.G.; BRYUZGINA, N.I.; ROSTOVTSEV, N.N.; glavnyy red.; GURARI, F.G., zamestitel' glavnogo red.; UMANTSEV, D.F., red.; DERBIKOV, I.F., red.; KAZARINOV, V.P., red.; KALUGIN, A.S., red.; KOLOBKOV, M.N., red.; MALIKOV, B.N., red.; MIKUTSKIY, S.P., red.; BOTVINNIKOV, V.I., red.; BUDNIKOV, V.I., red.; BOGOMYAKOV, G.P., red.; SURKOV, V.S., red.; SUKHOV, S.V., red.; BOOVAROVA, N.I., red.

[Physical properties of rocks in the West Siberian Plain.]  
Fizicheskie svoistva gornykh porod Zapadno-Sibirs'koi nizmennosti.  
Moskva, Nedra, 1964. 127 p. (Sibirs'kiy nauchno-issledovatel'skiy  
institut geologii, geofiziki i mineral'nogo sryba, Trudy, no.31).  
(MIRA 18:7)

BOCHAROVA, N.K., Cand Bio Sci—(diss) "Secretory, absorptive, and motor functions of the ~~large intestine~~ <sup>colon</sup> of sheep." Odessa, 1958.  
16 pp (Min of Higher Education UkrSSR. Odessa State U im I.I. Mechnikov),  
150 copies (KL, 45-58, 144)

- 46 -

FAYTEL'BERG, R.O.; VASILEVSKIY, V.S. [Vasylev's'kyi, V.S.]; BOCHAROVA,  
N.K.

Intestinal absorption during the stimulation of the reticular  
formation of the brain. Fiziol. zhur. [Ukr.] 9 no.4:473-478  
Jl-Ag '63.  
(MIRA 17:10)

1. Kafedra fiziologii cheloveka i zhivotnykh Odesskogo  
gosudarstvennogo universiteta im. I.I. Mechnikova.

*Bacterium Schumach.*

LOITSYANSKAYA, M.S.; BOCHAROVA, N.N.

Effect of the pH value on the multiplication and alcohol oxidation of  
Bacterium Schumensbachii. Uch.sap. Len.um. no.216:80-88 '56.

(MLRA 10:3)

(HYDROGEN-ION CONCENTRATION) (ACETOBACTER)  
(ALCOHOL)

BOCHAROVA, N.N.; GOLUBCHINA, R.

Conference on the production of food acids. Vest. LGU 16 no.3:152-  
153 '61.  
(Acids, Organic) (MIRA 14:2)

BOCHAROVA, N.N., arkhitektor

Role of landscaping in building transportation arteries. Gor.zkhoz.  
Mosk. 35 no.4:13-14 Ap '61. (MIRA 14:5)  
(Streets) (Landscape architecture)

BOCHAROVA, N.H., arkitektor

Reconstruction of city squares; problems in the architectural planning  
of squares on the main streets of Moscow. Gor. khoz. Mosk. 36 no.5:  
22-24 My '62. (MIRA 15:7)  
(Moscow—Streets)

BOCHAROVA, N. N.

Antibacterial effect of colimycin under the conditions of the manufacture of citric acid. Izv.vys.uchel.zav.; pishch.tekh., no. 2:70-74 '64. (MIRA 17:5)

1. Leningradskiy nauchno-issledovatel'skiy institut pishchevoy promyshlennosti, laboratoriya mikrobiologii.

GONCHAROVA, L.A.; BOCHAROVA, N.N.; KOBINA, Yu.P.; ZVIGUR Ye.S.

Effect of yeastlike fungi on the yield and quality of baker's yeast. Mikrobiologiya 34 no.1:157-162 Ja-F '65.

l. Leningradskiy mezhotraslevoy nauchno-issledovatel'skiy institut pishchevoy promyshlennosti.

(MIRA 18:7)

CH Bocharova, O. M.

158

Effect of DDT preparations on *Eurygaster integriceps*.  
D. M. Fedotov and O. M. Bocharova. *Publady Akad. Nauk S.S.R.* 75, 547-551 (1951).--Dusting the insects with 5.5% DDT dust in exp'l. plots at 30 kg. per ha. gave 100% kill of the older insects; in the field this is about 69%. Males die more rapidly than females. Larvae are killed to 90-100% under the same conditions. Young insects are killed to 100%, but forms that are ready to fly are very resistant to DDT dust, although they are killed 100% by a kerosine soln. of DDT. The pathol. changes in the insects are described and illustrated (intestinal tract, sex glands, and other organs); these show a high order of reduction of reproductive and life functions of the insects under the action of DDT, which go beyond the disturbance of the nervous system. G. M. Kosolapoff

BOCHAROVA, O.M.

GRUZDEV, V.V.; SOLDATOVA, A.N.; BOCHAROVA, O.M.

Summer feeding of foxes (*Vulpes L.*) in the Yeruslan Valley  
sands [with summary in English]. Zool.zhur. 36 no.9:1424-1426  
S '57. (MIRA 10:10)

1. Biologicheskaya laboratoriya i kafedra zoologii pozvonochnykh  
biologo-pochvennogo fakul'teta Moskovskogo gosudarstvennogo  
universiteta i Institut morfologii zhivotnykh AN SSSR.  
(Yerusian Valley--Foxes)  
(Animals, Food habits of)

BOCHAROVA, S.A., inzh.

Stressed state of a pipe under the action of a uniform internal pressure and a longitudinal force at high plastic deformations.  
Rasch. na prochn. no.9:196-218 '63. (MIRA 16:12)

ACCESSION NR: AP4014385

S/0145/63/000/011/0037/0046

AUTHOR: Bocharova, S. A. (Engineer)

TITLE: Determination of breaking load in closed cylinders under the influence of internal pressure

SOURCE: IVUZ. Mashinostroyeniye, no. 11, 1964, 37-46

TOPIC TAGS: breaking load, cylindrical body, internal pressure, fibrous structure, shift

ABSTRACT: The author verifies observations of other researchers on pipes subjected to the effect of internal pressure, noting that breaking may begin both from the internal as well as the external surface of the pipe. In the first case the breaking occurs from shifts, and in the second, from breaking away with propagation of a crack in the direction of the radius of the pipe. When breaking begins from the inside, a fibrous structure of the metal, characteristic of shift deformation, is observed at the breaking point near the interior surface of the pipe. When breaking begins from the outside, then the entire section of the pipe in the breaking zone has a coarse-grained structure, characteristic for collapse by breaking away. In this case the initial crack goes from the exterior surface

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ACCESSION NR: AP4014385

in the direction of the radius of the pipe. The author uses the recommendations of G. A. Smirnov-Alyayev (Teoriya avtoskrepleniya tsilindrov, Oborongiz, 1940) and S. N. Sokolov (Opredelniye razrushayushchikh davleniy v trubakh. Raschetы\* na prochnost', No. 2, Mashgiz, 1958) for the construction of the experiments. Comparison of her results with others gives good agreement both in magnitude of breaking pressure and the nature of the collapse. She observes that breaking is accompanied by instability in the uniform nature of deformation. When the internal pressure in the pipe attains the maximal value, breaking is accompanied by local bulging, analogous to the formation of a neck with simple strain. The method proposed by the author has the advantage over the method of computation of thick-walled pipes at limiting load in that it gives a solution with consideration of reinforcement of the material. Thus she is able to determine not only the pressure for which the zone involved in plastic deformations extends to the entire section of the pipe, but also the pressure corresponding to the beginning or formation of the crack on the external or internal surface. Orig. art. has: 9 formulas, 5 figures, and 1 table.

ASSOCIATION: Moskovskiy institut khimicheskogo mashinostroyeniya (Moscow Institute of Chemical Machine Engineering)

SUBMITTED: 15Mar63  
Card 2/3

DATE ACQ: 02Mar64

ENCL: 00

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8

ACCESSION NR: AP4014385

SUB CODE: ME

NO REF SOV: 005

OTHER: 003

Card 3/3

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710017-8"

SHUGAL, Ye.G.; RIABOY, O.M.; BOCHAROVA, T.V.; KISLYAK, L.N.; KOVAL'KOVA,  
A.M.; LYKOV, A.D.; MANYAKHINA, U.V.; SHLENOVA, T.G.; YAGUPOVA,  
Ye.I.; IVANOV, N.A.; RIBKIN, I.P.; KHOKHOLOVA, P.Ye.; KHRUNTYAYEVA,  
A.S.; PROLOVA, M.I.; RAKOV, F.M., red.; MARCHENKO, V.A., red.;  
KOLPAKOV, B.T., red.; DEMINA, V.N., red.; MELNIKT'YEV, A.M., tekhn.  
red.

[Soviet commerce of the R.S.F.S.R.; a statistical manual] Sovet-  
skaia torgovlia v RSFSR; statisticheskii sbornik. Moskva, Gos.  
stat. izd-vo, 1956. 342 p. (MIRA 11:10)

1. Russia (1917- R.S.F.S.R.) TSentral'noye statisticheskoye  
upravleniye.  
(Commercial statistics)

BOCHAROVA, T. V.

RT-1305 Epidemiology of tick exanthematic typhus / K epidemiologii kleshchogo sypnogo tifa.

Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, (1-2): 68-73, 1943.  
(Translation omits illustrations and literature references).

YATSIMIRSKAYA-KRONTOVSKAYA, M.K.; BILIBIN, A.F.; BOCHAROVA, T.V.; SINAYKO,  
G.A.; SAVITSKAYA, Ye.P.; SHATROV, I.I.

Possibility of prolonged carrying of Rickettsia prowazekii. Zhur.  
mikrobiol. epid. immun. 27 no.7:33-39 Jy '56. (MLRA 9:9)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN  
SSSR, Kliniki infektsionnykh bolezney i kafedry epidemiologii 2-go  
Moskovskogo meditsinskogo instituta imeni Stalina.

(RICKETTSIA PROWAZEKII

prolonged carriage in animals & men)

BOCHAROVA, T. V., SINAYKO, G. I., SAVITSKAYA, YE. P., SHIROV, I. I., YATSIMIRSKAYA, M. K.  
and BILIBIN, A. F.

"Concerning the Question of the Possibility of a Prolonged Carrying of  
Prowazki's Ricketsiosis." [paper read at an unidentified scientific  
conference held by the institute during the first half of 1955.]  
Proceedings of Inst. Epidem and Microbiol im. Gamaleya 1954-56.

Typhus Division, Krantovskaya, M. K., head, Inst. Epidem and Microbiol  
im. Gamaleya AMS USSR.

SO: Sum 1186, 11 Jan 57.

YATSIMIRSKAYA-KRONTOVSKAYA, M.K.; BOCHAROVA, T.V.; SOSNOVSKAYA, F.M.

Possibility of prolonged carriage of Rickettsia prowazekii. Report  
No.2: Effect of ionizing radiations on the excretion of Rickettsia  
prowazekii from the organism of animals after experimental typhus.  
Zhur.mikrobiol.,epid.i immun. 30 no.11:84-86 N '59. (MIRA 13:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.  
(TYPHUS exper.)  
(RADIATION EFFECTS exper.)

ROCHAROVA, T.V.

On the problem of the possibility of prolonged carriage of Rickettsia prowazekii. Report No.3: Use of cortisone for the activation of Rickettsia prowazekii in animals after experimental typhus. Zhur. mikrobiol.epid.i immun. 31 no.9:92-96 S '60. (MIRA 13:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(RICKETTSIA)

(CORTISONE)

BOCHAROVA, T.V.

Possibility of prolonged carrying of Rickettsia prowazeki. Report No. 4: Influence of an avitaminotic diet on the possibility of isolating Rickettsia prowazeki from animals following an attack of experimental typhus fever. Zhur. mikrobiol. epid. i immmun. 32 96-97 My '61. (MIRA 14:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.  
(TYPHUS FEVER) (RICKETTSIA)  
(DEFICIENCY DISEASES)

34402  
S/016/62/000/004/001/001  
D037/D113

27.8.200

AUTHOR:

Bocharova, T.V.

TITLE:

The effect of irradiation on immunity in experimental typhus.  
Report I. The study of the immunity in irradiated guinea  
pigs vaccinated against Rickettsia prowazekii.

PERIODICAL:

Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 4,  
1962, 23-26

TEXT: Since no published data on the effect of irradiation on immunity in epidemic typhus is available, the author studied the immunity in irradiated guinea pigs vaccinated against Rickettsia prowazekii. Guinea pigs weighing 250-300 g were exposed to 150-200 r X-irradiation with the aid of the PYM-3 (RUM-3) apparatus (radiation conditions were given in Zhurnal mikrobiol., 1959, No. 11). 1-2 hours, 3-4 days and 6-7 days after irradiation, the guinea pigs were immunized with sorbed typhoid vaccine either once or twice with a 15-day interval between injections. There were two groups of con-

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The effect of ...

S/016/62/000/004/001/001  
DO37/D113

trol animals in each experiment: animals vaccinated but non-irradiated simultaneously with the irradiated animals and irradiated but non-vaccinated animals. The blood was recovered and investigated on the 15-19th and 28-30th day after vaccination. In guinea pigs immunized twice, the time of appearance of antibodies and the antibody titers was the same in both the irradiated and non-irradiated animals. Upon a single immunization on the 4th and 6th day after irradiation, the antibodies appeared on the 30th day and in lower titers. The intensity of anti-infectious immunity in guinea pigs was studied by infecting them with Rickettsia prowazekii 30 days after immunization. The following conclusions are drawn: immunization with sorbed typhoid vaccine in the first hours after irradiation considerably protects the animals against infection by a virulent Rickettsia prowazekii culture; guinea pigs immunized 6-7 days after X-irradiation are not protected against infection; the presence or absence of specific antibodies in the organism does not always indicate its degree of immunity; vaccination carried out 1 or 2 hours after irradiation has a prophylactic effect.

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The effect of ...

S/016/62/000/004/001/001  
D037/D113

P.A. Buzini, P.D. Gorizontov, P.N. Kiselev, N.N. Klemparskaya, R.V. Petrov, N.A. Krayevskiy, V.L. Troitskiy and M.A. Tumanyan are mentioned. There are 1 table and 17 references: 8 Soviet-bloc and 9 non-Soviet-bloc. The four most-recent English-language references are: V.P. Bond, I.L. Shechmeister, M. Swift et al., J. infect. Dis., 1952, v. 91, p.26; D. Greiff, E.L. Powers, H. Pinkerton, J., exp. Med., 1957, v. 105, p. 217; J.K. Scott, J.N. Stannard, J. infect. Dis., 1954, v. 95, p. 302; F.J. Dixon, D.W. Talmage, P.H. Maurer, J. Immunol., 1952, v. 68, p. 693.

ASSOCIATION: Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR  
(Institute of Epidemiology and Microbiology imeni Gamaleya,  
AMS USSR) ✓

SUBMITTED: June 5, 1961

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BOCHAROVA, T.V.

Effect of irradiation on immunity in experimental exanthematous typhus. Report No.1: Study of immunity in irradiated guinea pigs vaccinated against Rickettsia prowazekii. Zhur.mikrobiol., epid. i immun. 33 no.4:23-26 Ap '62. (MIRA 15:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.  
(TYPHUS FEVER) (RADIATION--PHYSIOLOGICAL EFFECT) (RICKETTSIA)

BOCHAROVA, T.V.

Intrapulmonary immunization against Rickettsia mooseri and a  
comparative evaluation of its effectiveness. Vest. AMN SSSR  
19 no.3:58-67 '64. (MIRA 17:10)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN  
SSSR, Moskva.

BOCHAROVA, V.A.; IGNAT'YEV, A.T.

Concerning the normalization of electric power. Prom. energ. 15  
no.11:54-55 N '60. (MIRA 14:9)

1. Sverdlovskiy sovnarkhoz (for Bocharova). 2. Zavod "Tashkent-  
kabel'" (for Ignat'yev).

(Electric power)

BOCHAROVA, V. I.

BOCHAROVA, V. I. --"Comparative Effectiveness of Powdered and Granulated Superphosphate Depending on the Liming of Acidic Turf-Podsol Soils." \*(Dissertations For Degrees In Science And Engineering At USSR, Higher Educational Institutions). (34). All-Union Order of Lenin Acad Agricultural Sci imeni V. I. Lenin, All-Union Sci Res Inst of Fertilizers, Agrotechnology, and Agricultural Soil Science, Moscow, 1955

SO: Knizhnaya Letopis' No. 34, 20 August 1955

\* For the Degree of Candidate in Agricultural Sciences

BOCHAROVA, V.I., kand.sel'skokhozyaystvennykh nauk

Planning experimental work in schools. Biol. v shkole no.1:44-50  
Ja-F '62. (MIRA 15:1)

1. Tambovskiy pedagogicheskiy institut.  
(AGRICULTURE EXPERIMENTATION)

S/076/60/034/010/005/022  
B015/B064

AUTHORS:

Cheshko, F. F., Bocharova, V. V., Budylo, L. K.,  
Shevchenko, O. I., and Naumenko, V. P.

TITLE:

Physico-chemical Investigations of the Sensitivity of the Benzene Cycle to Polarizing Actions of the Solvent and the Field of Force. I. Magneto-optical Examination of the Intermolecular Interactions in Binary Nitrobenzene Systems of the Alkyl-substituted Benzene Derivatives

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 10,  
pp. 2190-2198

TEXT: Alkyl derivatives of benzene, polyphenyl hydrocarbons and acene hydrocarbons were investigated in binary systems with nitrobenzene to determine the influence of functional groups upon the polarizability of the benzene cycle. The composition of the molecular compounds thus formed was determined since from the difference in the composition of these compounds it is possible to determine the varying intermolecular interaction.

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Physico-chemical Investigations of the  
Sensitivity of the Benzene Cycle to  
Polarizing Actions of the Solvent and the  
Field of Force. I. Magneto-optical Examina-  
tion of the Intermolecular Interactions in  
Binary Nitrobenzene Systems of the Alkyl-  
substituted Benzene Derivatives

S/076/60/034/010/005/022  
B015/B064

Various physico-chemical methods of analysis are applied to determine the composition of the molecular compounds. The authors are the first to publish experimental data of the magneto-optical examinations of the binary nitrobenzene systems with alkyl derivatives in benzene. By means of an electric apparatus containing a precision polarimeter as well as a M-19 (M-19) fluxmeter to measure the magnetic field, the diagrams of the dependence of the angle of rotation  $\alpha_H^o$  of the polarization plane in the magnetic field on the composition of the binary system were plotted (Figs. 2-4), and the composition of the molecular compounds thus formed determined. The total picture of the curve "composition -  $\alpha_H^o$ " shows that the components have no additive properties. The following rules were established: a prolongation of the n-alkyl chain is accompanied by an

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